Connecting the TORTOISE™ to Grade Crossing Detectors for Crossing Gate Applications

12 volts DC

Any DPDT Relay with a 12 volt DC, 100 ma. or less coil rating.

If using the ER-2, connect as shown below and disregard all connections within the dotted lines. If the TORTOISE runs in the wrong direction, interchange connections to 3 and 4.

Pinout of your relay may be different

1 amp, 50 volt Diode (1N4001 or equiv.) MUST be included to protect the detection unit output transistor.